

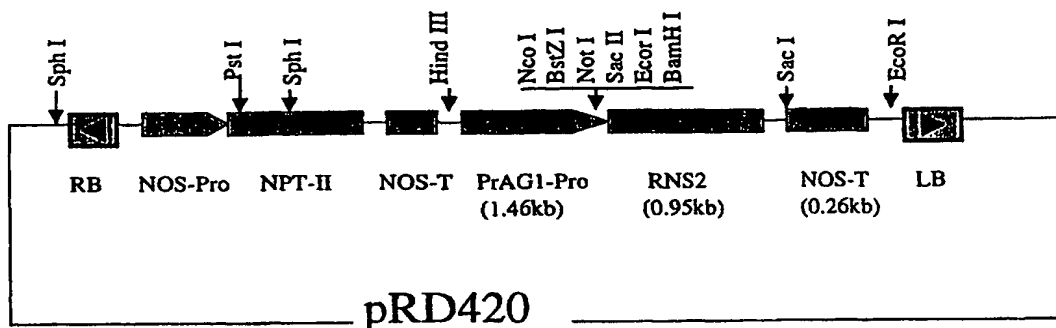
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(21) International Application Number: PCT/NZ00/00031 (22) International Filing Date: 17 March 2000 (17.03.00) (30) Priority Data: 334715 17 March 1999 (17.03.99) NZ (71) Applicants (for all designated States except US): CARTER HOLT HARVEY LIMITED [NZ/NZ]; 640 Great South Road, Manakau City, Auckland (NZ). TASMAN BIOTECHNOLOGY LIMITED [NZ/NZ]; State Highway 30, Te Teko, Bay of Plenty (NZ). MICHIGAN TECHNOLOGICAL UNIVERSITY [US/US]; 1400 Townsend Drive, Houghton, MI 49931 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): PODILA, Gopi, Krishna [IN/US]; 307 West 42nd Street, Houghton, MI 49931 (US). LIU, Jun-Jun [CN/US]; 900 Champion Street #7, Houghton, MI 49931 (US). KARNOSKY, David, F. [US/US]; Route 1, Box 139, Chassell, MI (US). (74) Agents: BENNETT, Michael, Roy et al.; West-Walker Bennett, Mobil on the Park, 157 Lambton Quay, Wellington (NZ).		(81) Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  Published With international search report.	

(54) Title: PLANTS HAVING MODIFIED REPRODUCTIVE CAPACITY



## (57) Abstract

This invention relates to plants having modified reproductive capacity. In particular, it relates to a plant reproductive tissue specific promoter, the PrAG1 promoter isolated from *Pinus radiata*, and its use in promoting transcription/expression of associated genes in plant reproductive tissue, including for the purpose of producing plants which have diminished reproductive capacity or which are sterile.

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